

**FIG. 1A**

1 tctaaagactcaggaaacaaaacctaattgectcaaagttcagggtgctttttctccctg  
61 acttttagtctagtggagtagtgacagcactatgectttctgagaggagctctggagagctg  
121 agtcgctgctgggtgctaggattcttaggaattcgectcacttggagctgcatgagaaaaaga  
181 aaggcttgcaaatggaggctcctcgctcaggaaacatacttggcagctgggtatgccccctc  
1 M E A P R S G T Y L P A G Y A P Q  
241 agtatcctccagcagcagtcctcaaggacctccagagcatactggacgccccacattccaga  
18 Y P P A A V Q G P P E H T G R P T F Q T  
301 ctaactaccaagttccccagctctgggttatccaggacctcaggcttagctacacagttctcaa  
38 N Y Q V P Q S G Y P G P Q A S Y T V S T  
361 catctggacatgaagggttatgctgctacacgggttctctattcaaaataatcagactatag  
58 S G H E G Y A A T R L P I Q N N Q T I V  
421 tccttgcaaacactcagtggtgacagcaccacacctattctgaactgccacctgggc  
78 L A N T Q W M P A P P P I L N C P P G L  
481 tagaataacttaaatcagatagatcagcttctgattcatcagcaagttgaacttctagaag  
98 E Y L N Q I D Q L L I H Q Q V E L L E V  
541 tcttaacagggttttgaacaaaataacaaatttgaatcaagaacagcctcgggcagatgg  
118 L T G F E T N N K F E I K N S L G Q M V  
601 tttatggttgacagtggaagatactgactgctgtactcgaaattgctgtgaagcgtctagac  
138 Y V A V E D T D C C T R N C C E A S R P  
661 ctttcaccttaagaatcctggatcatctgggccaagaagtcagactctggagcgacctc  
158 F T L R I L D H L G Q E V M T L E R P L  
721 tgagatgcagtagctgctgcttccccctgctgectccaggagatagaaatccagggtcctc  
178 R C S S C C F P C C L Q E I E I Q A P P  
781 cgggggtgccaatagggttatgtgactcagacctggcaccatgtctgccaagctcactc  
198 G V P I G Y V T Q T W H P C L P K L T L  
841 ttcagaacgacaagaggaggagaatgttctaaaaagtagttgggtccatgtgttgcatgcacct  
218 Q N D K R E N V L K V V G P C V A C T C  
901 gctgttcagatattgactttgagatcaagtcctcttgatgaagtgactagaattggtaaga  
238 C S D I D F E I K S L D E V T R I G K I  
961 tcaccaagcagtggttctggttggtgaaagaggccttcacggattcggataactttggga  
258 T K Q W S G C V K E A F T D S D N F G I  
1021 tccaattccccgctagacctggagggtgaagatgaaagctgtgacgcttgggtgcttgcctcc  
278 Q F P L D L E V K M K A V T L G A C F L  
1081 tcatagattacatgttttttgaaggctgtgagtaggaacagaaatccgacctgcagtagg  
298 I D Y M F P E G C E -  
1141 aatcaatgaaagaggacagagaagatctgaagtcctacacaaggagatcatatgattgaga  
1201 gacctgggggtctttttgatttctttcattgaaatttctcagaatcaagctgtttatcatgaa  
1261 gcatagtatgtaacattttggtttttcaaatggtagtttatcttttacattatttgggaatag  
1321 acctggataattatctttatcacacttcttaaaaaatgacaccaaatccaagttaaaaaaaa  
1381 aaagacgaagagaagtgtatgttttaaaaaataaacattttatggaaaaagtaagttaaatc  
1441 ataattctgggattttatttttcatctttgttcaattttamacctgttagtgctgatttta  
1501 ttataaaattgtactttactatcaaacctagtttagttttatttcttacagaaatcctccta  
1561 ttattttgaaattacatatatttttgaaggcttttttaaaagatactatttgctgggaaattc  
1621 ta

FIG. 1B

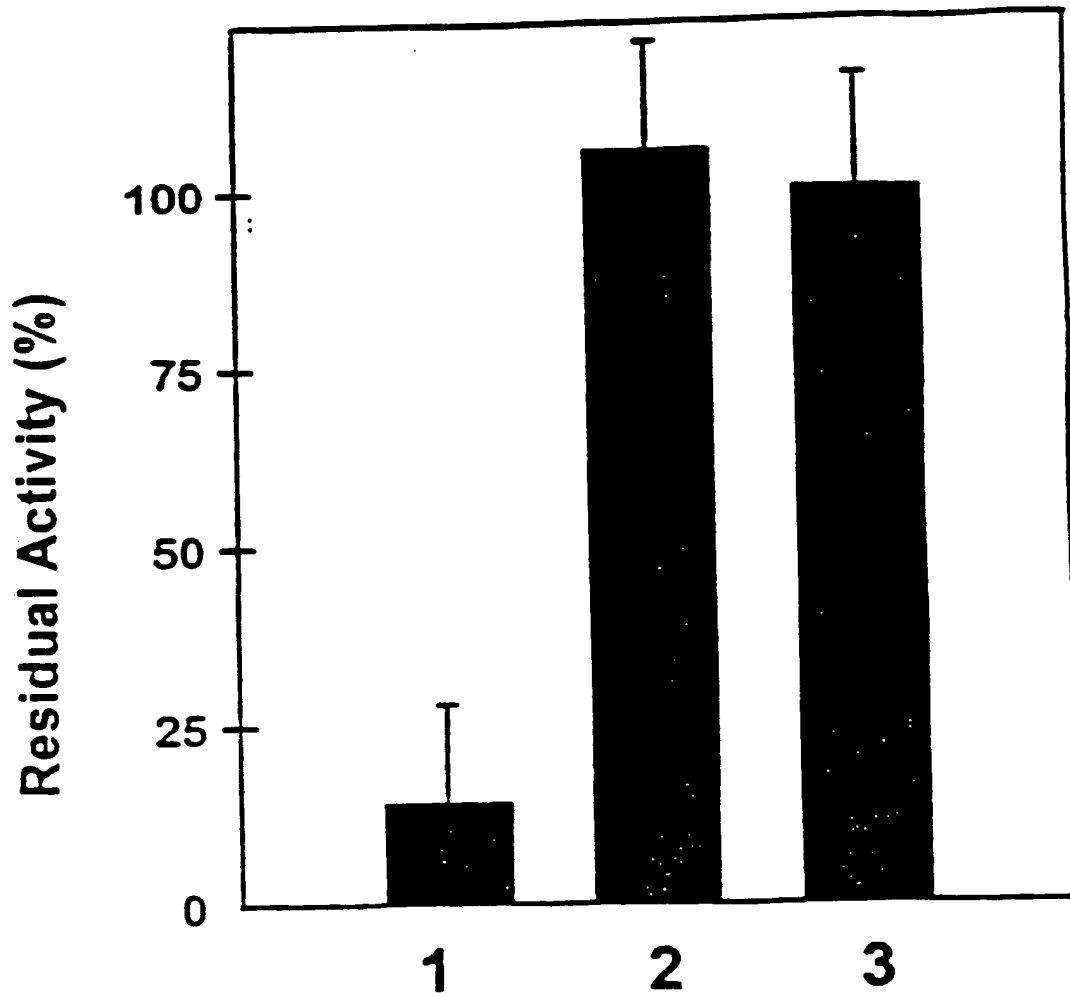


FIG. 2

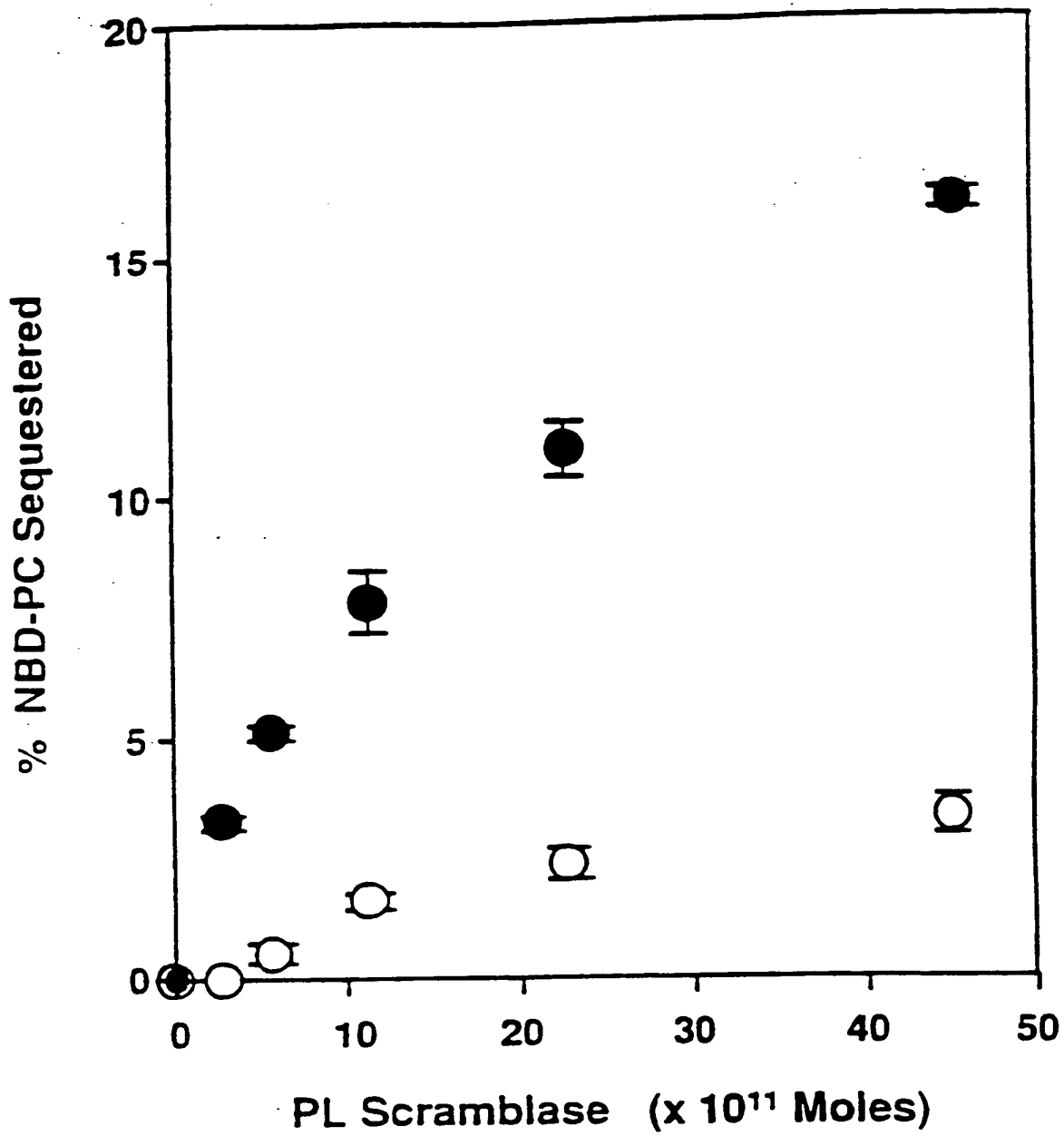


FIG. 3

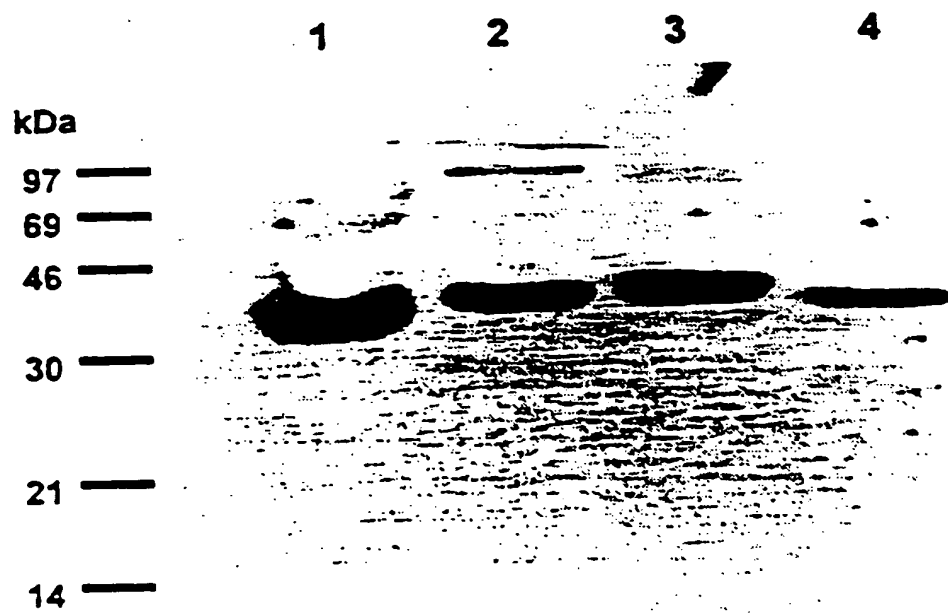


FIG. 4

008760-52500960

**FIG. 5**



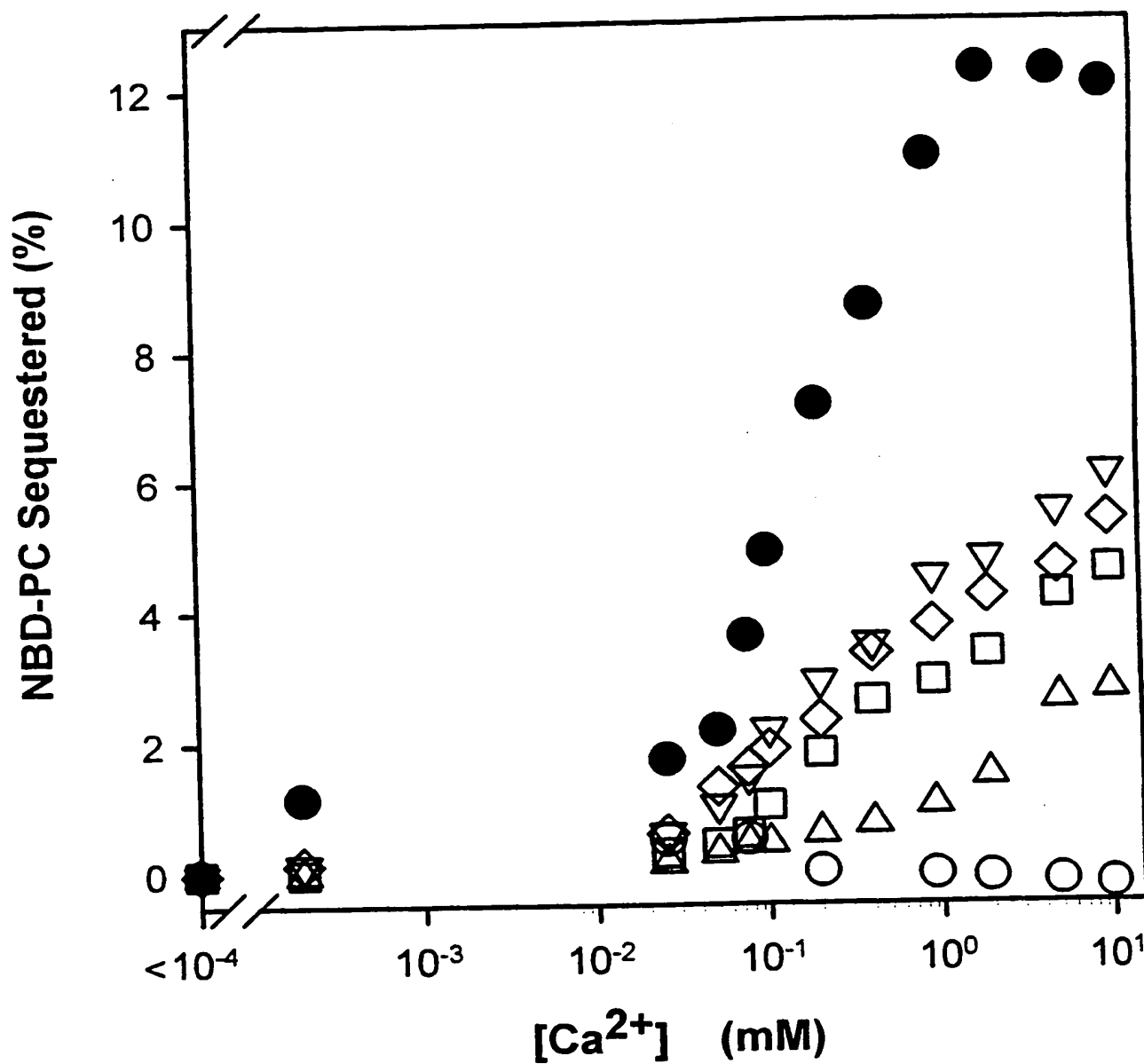


FIG. 7



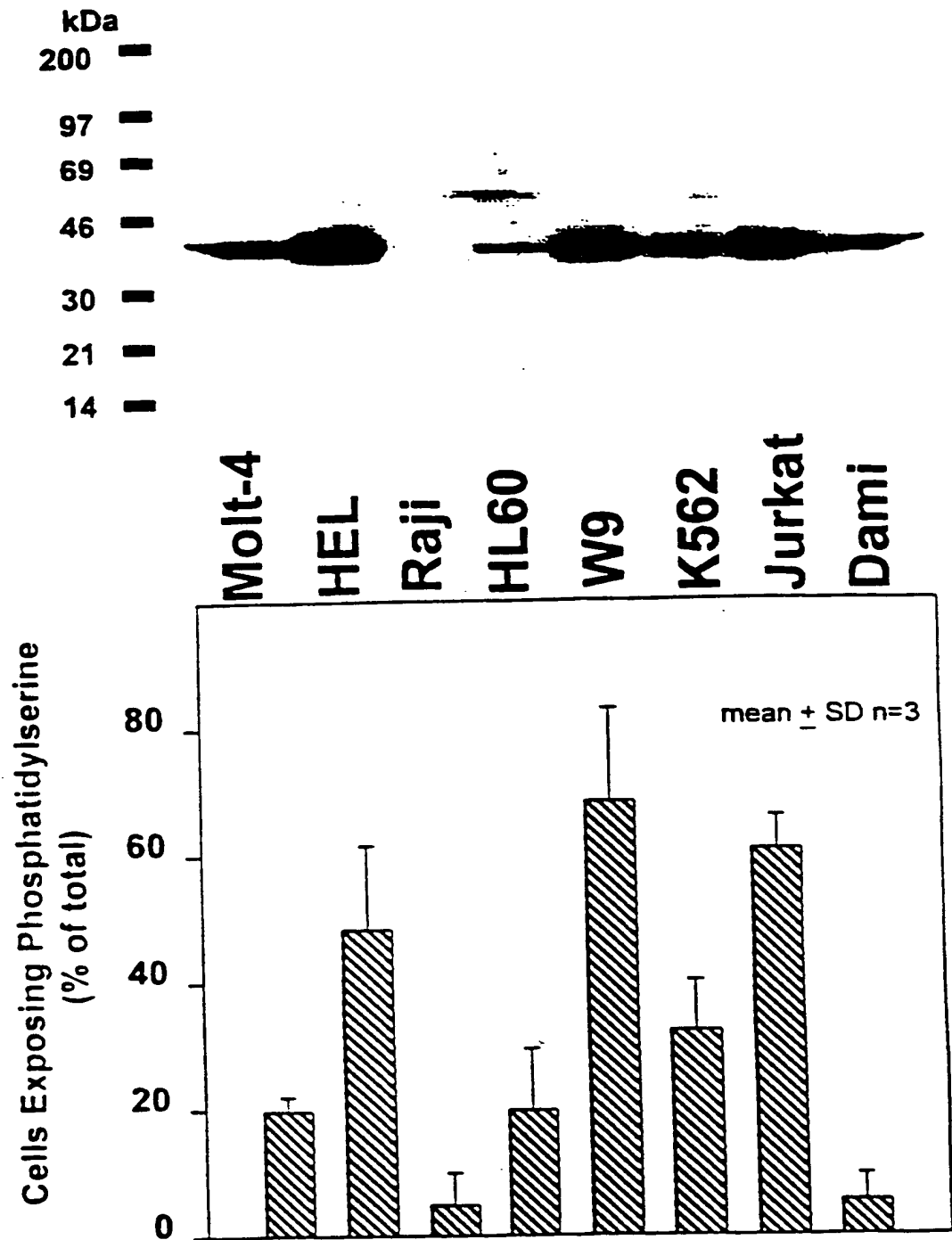


FIG. 8

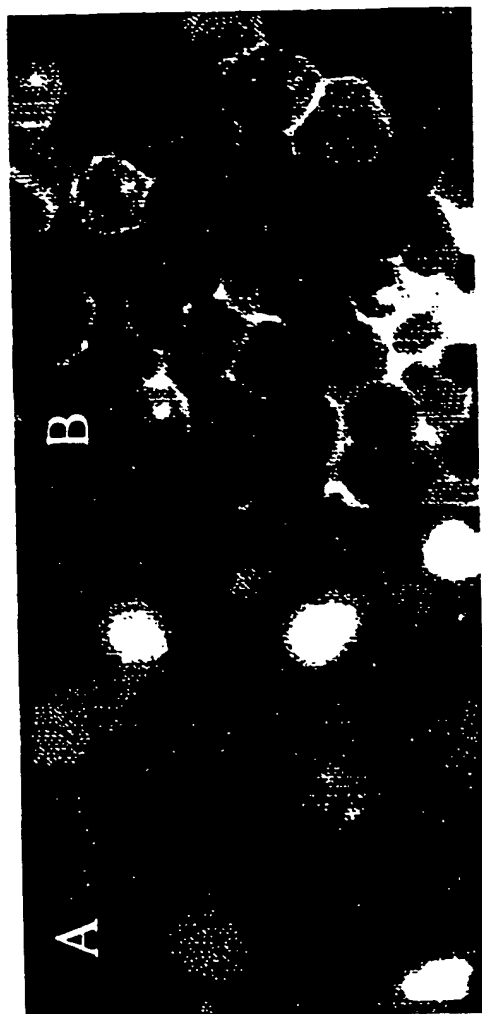


FIG. 9

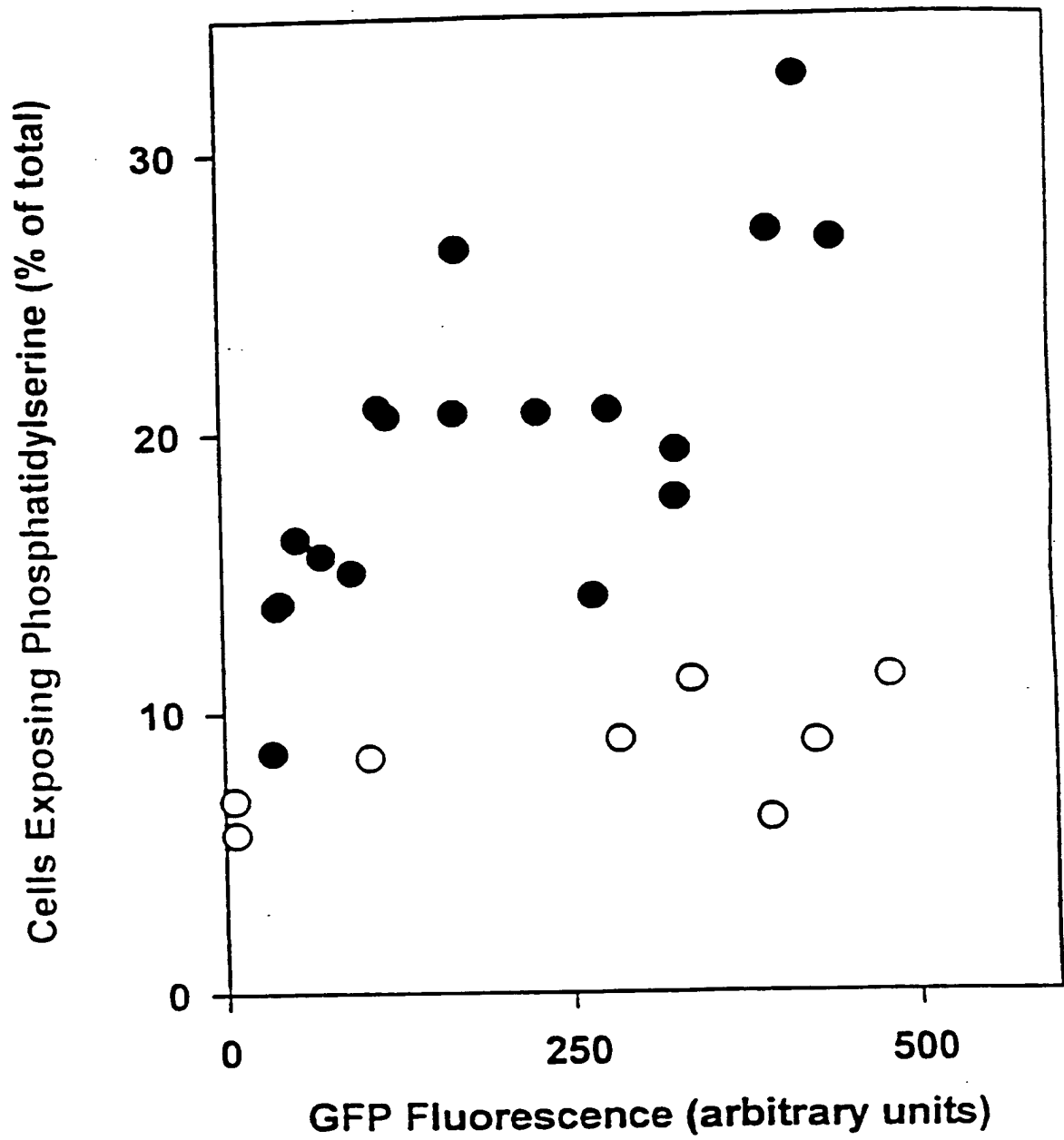


FIG. 10

## Inactivation of PL Scramblase by Thioester Cleavage

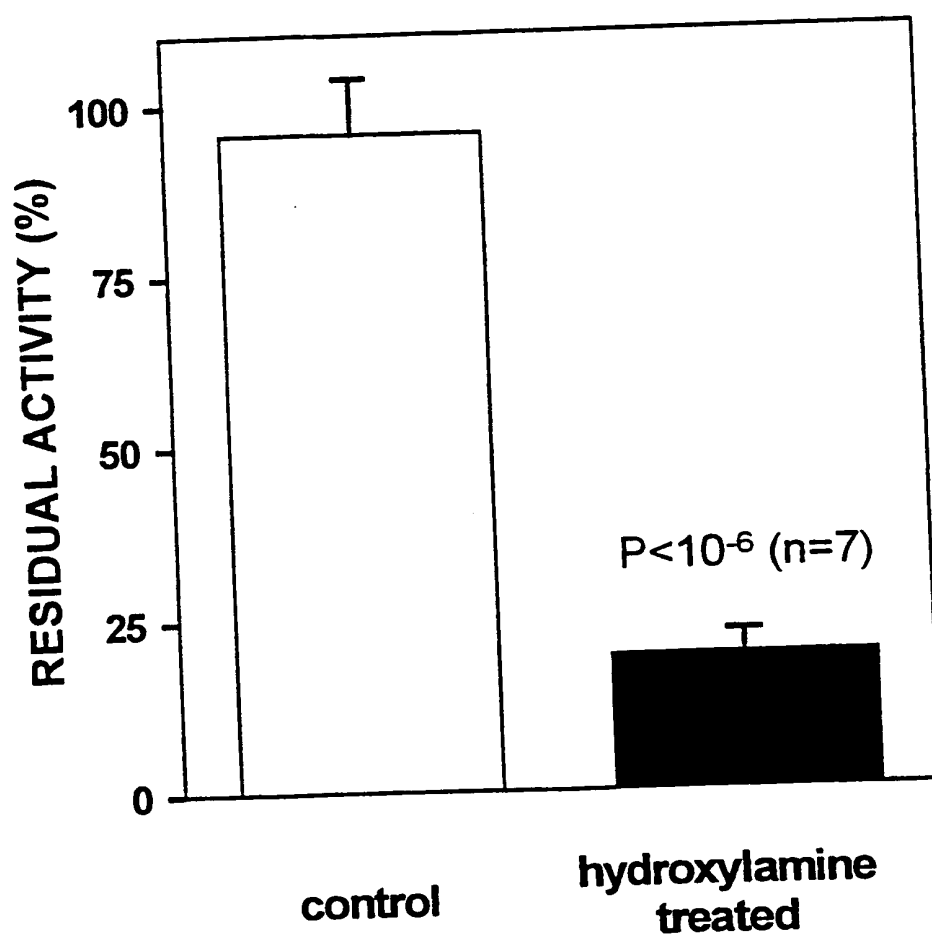
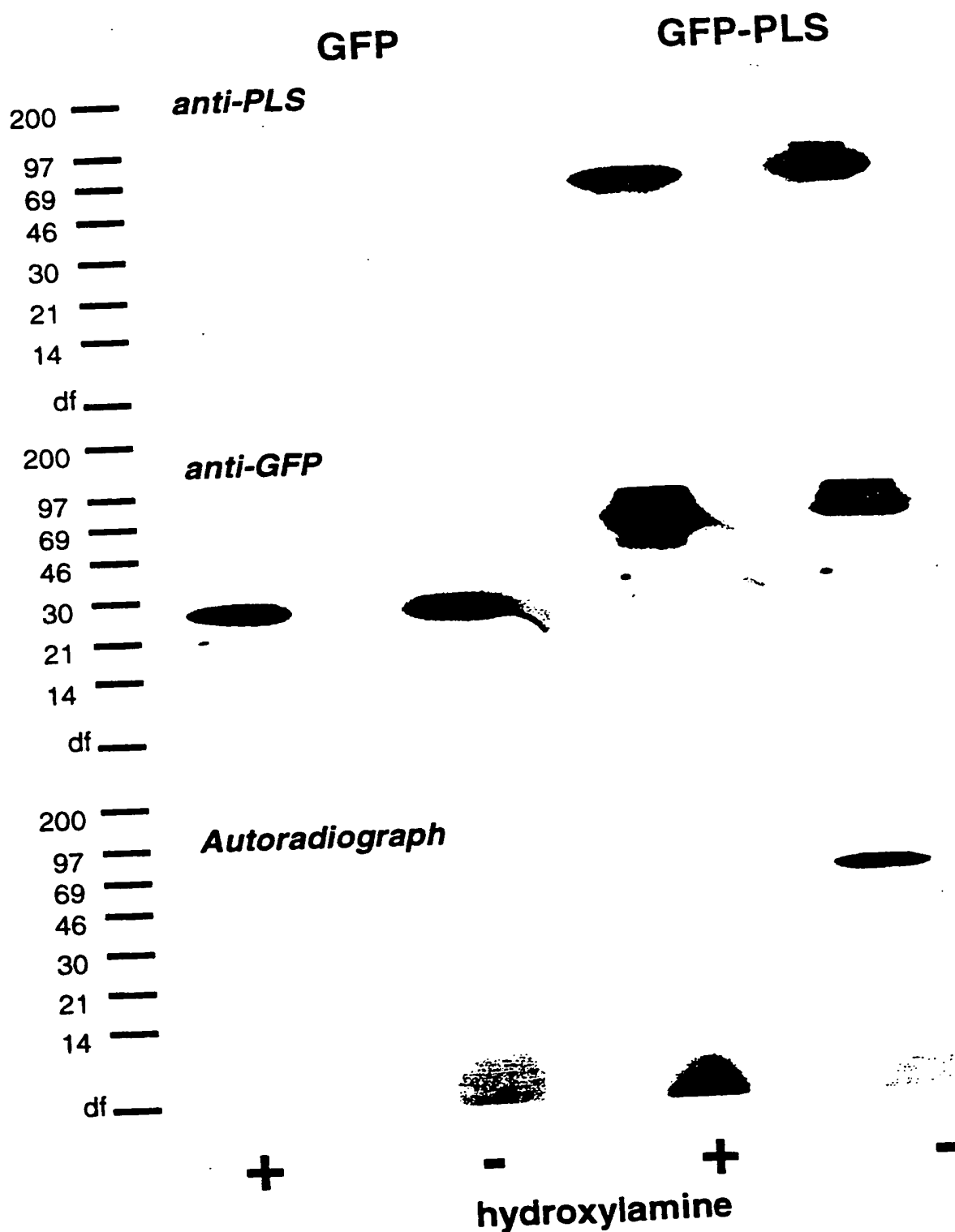


FIG. 11

**Metabolic Labeling of PL Scramblase with [<sup>3</sup>H]-Palmitate  
Reveals Covalent Thioester-Linked Fatty Acid**



**FIG. 12**

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# TLC Analysis of [ $^3\text{H}$ ]-Fatty Acid From Hydroxylamine-Treated PL Scramblase

SF —



OR —

palmitate

+

-

palmitate

FIG. 13

15 / 16  
Cells Exposing Phosphatidylserine  
(% of total)

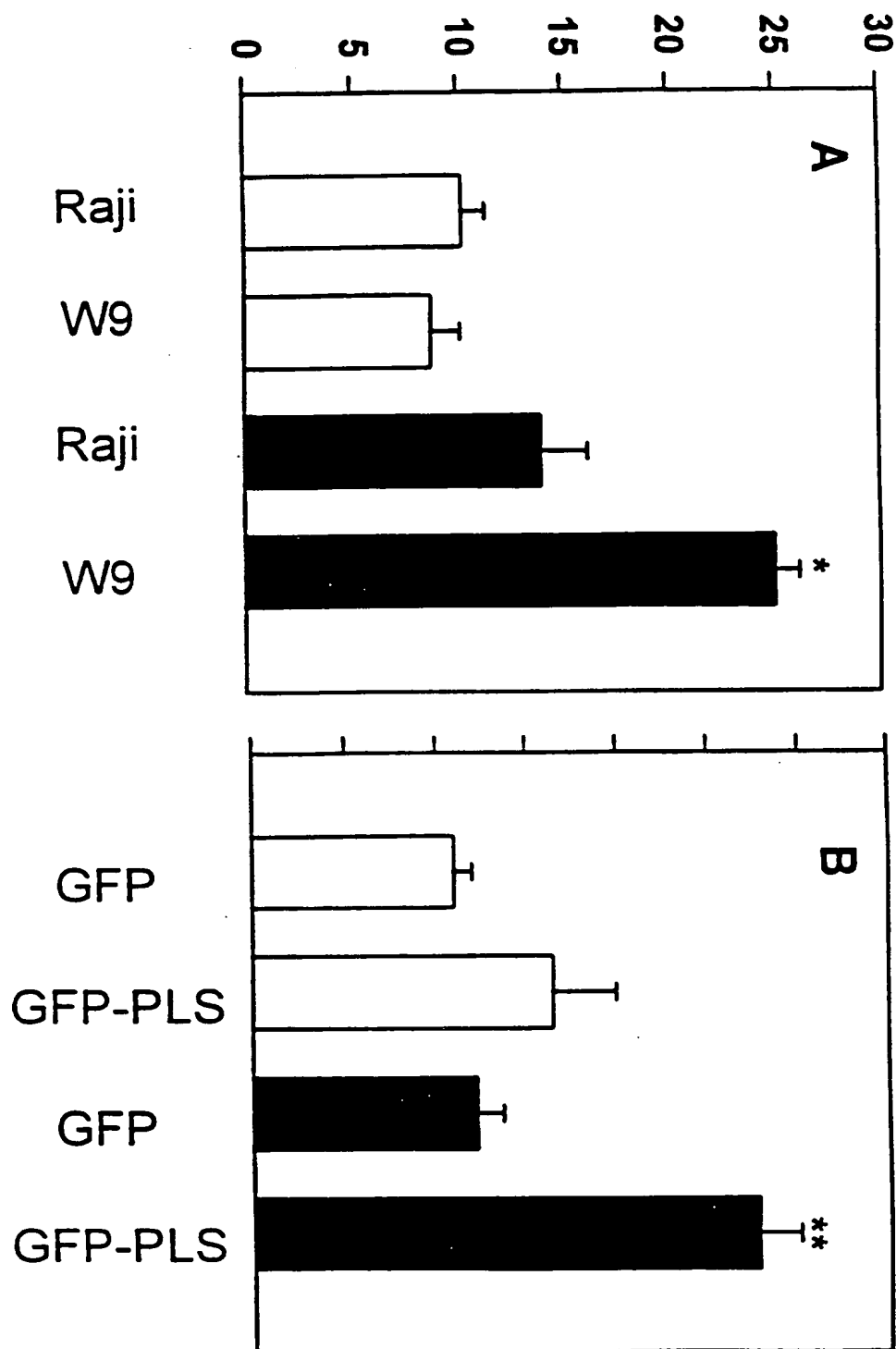


FIG. 14

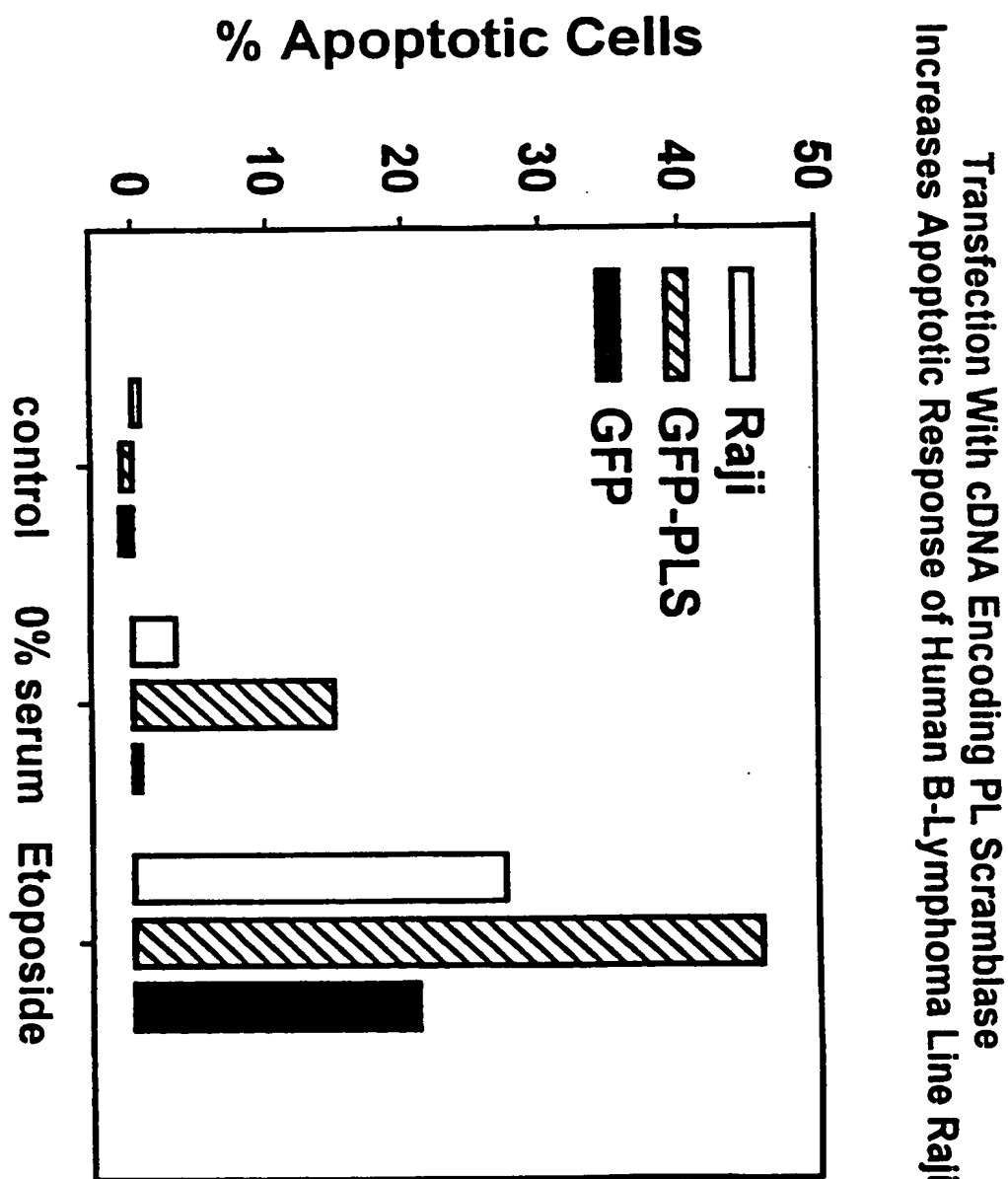


FIG. 15